

Table 1. DPS L4 Modifications:

Paragraph_id	requirement_key	release	req_type	req_status	verification_method	verification_status	text	clarification
S-DPS-20100	10851	A	interface	approved	demo	unverified	The PRONG CI shall request information about the health and availability of a Hardware Resource by using a Systems Management Subsystem (MSS) provided Resource Management API (Application Program Interface). The PRONG CI shall monitor the state of the <u>Data Processing Resources</u> .	MSS not used to meet this requirement; Resource Management polls on availability of Data Processing resources; other info provided via COTS GUIs
S-DPS-20680	4398	A	functional	approved	demo	<u>unverified</u>	The PRONG CI shall support the movement of data from one Data Processing subsystem controlled storage resource to another Data Processing subsystem controlled storage resource.	<u>Movement of data is necessary to allocate task among processor, item (e) of L3.</u>
S-DPS-20710	4401	A	interface	approved	demo	<u>unverified</u>	The PRONG CI shall accept a Data Request Status message <u>from the Data Server</u> in response to the Data Request Message.	
S-DPS-20800	4410	A	interface	approved	demo	<u>unverified</u>	The PRONG CI shall accept Calibration Coefficient data from the SDSRV CI.	<u>Calibration Coefficient data is part of the staging and/or destaging of data stored on the DADS.</u>
S-DPS-21970	4474	A	functional	approved	demo	<u>unverified</u>	The PRONG CI shall provide a user interface <u>for the operations staff</u> to modify the Priority Information associated with a Data Processing Request.	
S-DPS-22020	4479	A	functional	approved	demo	<u>unverified</u>	The PRONG CI shall provide <u>an a-user</u> interface for <u>authorized users</u> to support the manual Q/A of Data Products.	

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S-DPS-22250	4497	A	functional	approved	demo	<u>unverified</u>	The PRONG CI shall have the capability of receiving accessing the Sstatus Iinformation File of an executing-PGE <u>executing on a science processing from the Data Processing Subsystem</u> resource executing the PGE .	
S-DPS-40730	4567	A	functional	approved	demo	<u>unverified</u>	The data visualization capability of the AITTL CI shall include the capability to <u>compare</u> difference data and to display the differences as a two- or three-dimensional image or plot.	
S-DPS-40750	4569	A	functional	approved	demo	<u>unverified</u>	The data visualization capability of the AITTL CI shall include the capability to display an arbitrary two-dimensional slice of a three-dimensional image or plot.	
S-DPS-40760	4570	A	functional	approved	demo	<u>unverified</u>	The data visualization capability of the AITTL CI shall include the capability to rotate a three-dimensional image or plot about an arbitrary axis.	
S-DPS-40770	4571	A	functional	approved	demo	<u>unverified</u>	The data visualization capability of the AITTL CI shall <u>provide</u> include providing the user <u>operations staff</u> with the option to specify the color table for new or existing image displays.	
S-DPS-40780	4572	A	functional	approved	demo	<u>unverified</u>	The data visualization capability of the AITTL CI shall <u>provide</u> include providing the user <u>operations staff</u> with the option to specify the axis limits for new or existing plot displays.	

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S-DPS-40790	4573	A	functional	approved	demo	<u>unverified</u>	The data visualization capability of the AITTL CI shall provide include <u>providing</u> the operations staff with the option to specify the parameter assigned to each axis in new or existing plot or image displays.	
S-DPS-41200	10056	B0	functional security	approved	test	unverified	The AITTL CI shall provide the ability <u>capability</u> (a) to restrict update access of the Science Software Archive Packages to the Data Server to authorized personnel and (b) to maintain a record of updates made.	
S-DPS-42630	10969	B0	functional	approved	demo	unverified	The AITTL CI shall provide the capability for the operations staff to run PGEs in a parallel test or for a commissioning period, utilizing the Planning and Processing Subsystems, with the output data <u>logically separated from operation product data.</u> and the Product output flagged as "test".	

Table 2. New DPS L4s :

Paragraph_id	requirement_key	release	req_type	req_status	verification_method	verification_status	text	clarification
<u>S-DPS-60385</u>	<u>_NEW</u>	<u>B1</u>	<u>performance</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>	<u>The SPRHW CI shall contribute to the generation of Level 4 Standard Products within 1 week after processing is initiated.</u>	

Table 3. DPS L4s Deletions:

Paragraph_id	requirement_key	release	req_type	req_status	verification_method	verification_status	text	clarification
S-DPS-20410	-10884	A	functional	approved	demo	unverified	The PRONG CI shall validate the information associated with the Data Processing Request.	tactically correct DPRs are constructed but range and limit checking are not performed. Note that DPR objects are created in Planning
S-DPS-20490	-10889	A	functional	approved	demo	unverified	The PRONG CI shall queue only validated Data Processing Requests	All queued Data Processing Requests (DPRs) are valid given that only valid Plpr objects can successfully become instantiated; only successfully created PIDpr objects are passed to Job Management
S-DPS-20740	-10897	A	interface	approved	demo	unverified	The PRONG CI shall send an Data Request message to the SDSRV CI to terminate the data staging process.	No such interface defined or planned with DSS
S-DPS-22200	-4492	A	interface	approved	demo	unverified	The PRONG CI shall accept a Processing Information Request to request the status of a Data Processing Request.	
S-DPS-42365	-8699	B1	functional	approved	test	unverified	The operations staff shall have the capability to use MSS profiling capabilities to determine the computing resources utilized by the execution of a chain of PGEs.	
S-DPS-60615	-4707	A	interface	approved	demo	unverified	The SPRHW CI platforms shall have provision for interfacing with Ingest	

Table 4- RbR_to_L4 Deletions:

RbR Id	L4 Id
PGS-0240#B	S-DPS-20691
PGS-0270#B	S-DPS-21970
PGS-0380#B	S-DPS-21880
PGS-0380#B	S-DPS-61045
PGS-0560#B	S-DPS-21540
PGS-0600#B	S-DPS-42100
PGS-0602#B	S-DPS-70260
PGS-0610#B	S-DPS-40010
PGS-0610#B	S-DPS-42200
PGS-0630#B	S-DPS-41130
PGS-0640#B	S-DPS-40010
PGS-0640#B	S-DPS-42200
PGS-0910#B	S-DPS-42510
PGS-0910#B	S-DPS-42530
PGS-0910#B	S-DPS-40930
PGS-0910#B	S-DPS-42520
PGS-0920#B	S-DPS-40920
PGS-0920#B	S-DPS-42350
PGS-0920#B	S-DPS-40295
PGS-0920#B	S-DPS-42360
PGS-0960#B	S-DPS-42620
PGS-0960#B	S-DPS-41190
PGS-1230#B	S-DPS-20820

Table 5- RbR to L4 Additions:

RbR Id	L4 Id
PGS-0140#B	S-DPS-61045
PGS-0170#B	S-DPS-21970
PGS-0260#B	S-DPS-61045
PGS-0420#B	S-DPS-70260
PGS-0480#B	S-DPS-21970
PGS-0600#B	S-DPS-42330
PGS-0600#B	S-DPS-42630
PGS-0602#B	S-DPS-42100
PGS-0610#B	S-DPS-42100
PGS-0640#B	S-DPS-41340
PGS-0640#B	S-DPS-42100
PGS-0640#B	S-DPS-41130
PGS-0640#B	S-DPS-42100
PGS-1000#B	S-DPS-61045
PGS-1080#B	S-DPS-61045
PGS-1090#B	S-DPS-61045
PGS-1140#B	S-DPS-22020
PGS-1190#B	S-DPS-70260